

#5

OIPE

RAW SEQUENCE LISTING

DATE: 07/20/2001

PATENT APPLICATION: US/09/765,068

TIME: 14:17:31

Input Set : A:\LEX-0119-USA SEQLIST.txt

Output Set: N:\CRF3\07202001\I765068.raw

ENTERED

```

4 <110> APPLICANT: Donoho, Gregroy
5   Hilbun, Erin
6   Turner, Alex
7   Friedrich, Glenn
8   Zambrowicz, Brian
9   Sands, Arthur T.
11 <120> TITLE OF INVENTION: Novel Human Kinase Protein and
12   Polynucleotides Encoding the Same
15 <130> FILE REFERENCE: LEX-0119-USA
C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/765,068
C--> 17 <141> CURRENT FILING DATE: 2001-01-18
17 <150> PRIOR APPLICATION NUMBER: US 60/176,690
18 <151> PRIOR FILING DATE: 2000-01-18
20 <160> NUMBER OF SEQ ID NOS: 3
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 1269
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
29 <400> SEQUENCE: 1
30 atggaccatc ctagtaggga aaaggatgaa agacaacgga caactaaacc catggcacaa      60
31 aggagtgcac actgctctcg accatctggc tcctcatcgt cctctggggt tcttatgggt      120
32 ggacccaact tcagggttg caagaagata ggatgtggga acttcggaga gctcagatta      180
33 ggtaaaaatc tctacaccaa tgaatatgta gcaatcaaac tggaaccaat aaaatcacgt      240
34 gctccacagc ttcatttaga gtacagattt tataaacagc ttggcagtgc aggtgaaggt      300
35 ctcccacagg tgtattactt tggaccatgt gggaaatata atgccatggt gctggagctc      360
36 cttggcccta gcttgaggga cttgtttgac ctctgtgacc gaacatttac tttgaagacg      420
37 gtgttaatga tagccatcca gctgctttct cgaatggaat acgtgcactc aaagaacctc      480
38 atttaccgag atgtcaagcc agagaacttc ctgattgggt gacaaggcaa taagaaagag      540
39 catgtttatac acattataga ctttggactg gccaaggaat acattgacct cgaaaccaa      600
40 aaacacatac cttataggga acacaaaagt ttaactggaa ctgcaagata tatgtctatc      660
41 aacacgcatac ttggcaaaga gcaaagccgg agagatgatt tggaagccct aggccatatg      720
42 ttcattgtatt tccttcgagg cagcctcccc tggcaaggac tcaaggctga cacattaata      780
43 gagagatatc aaaaaattgg tgacaccaa aggaatactc ccattgaagc tctctgtgag      840
44 aactttccag aggagatggc aacctacctt cgatatgtca ggcgactgga cttctttgaa      900
45 aaacctgatt atgagtattt acggaccctc ttcacagacc tctttgaaaa gaaaggctac      960
46 acctttgact atgcctatga ttgggttggg agacctattc ctactccagt agggtcagtt      1020
47 cactgtagatt ctggtgcatac tgcaataact cgagaaagcc acacacatag ggatcgcca      1080
48 tcacaacagc agcctcttcg aaatcagggt gtttagctcaa ccaatggaga gctgaatgtt      1140
49 gatgatccca cgggagccca ctccaatgca ccaatcacag ctcatgccga ggtggaggta      1200
50 gtggagggaag ctaagtgtcg ctgtttcttt aagaggaaaa ggaagaagac tgctcagcgc      1260
51 cacaagtga                                     1269
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 422
55 <212> TYPE: PRT
56 <213> ORGANISM: Homo sapiens
58 <400> SEQUENCE: 2

```

RAW SEQUENCE LISTING

DATE: 07/20/2001

PATENT APPLICATION: US/09/765,068

TIME: 14:17:31

Input Set : A:\LEX-0119-USA SEQLIST.txt

Output Set: N:\CRF3\07202001\I765068.raw

```

59 Met Asp His Pro Ser Arg Glu Lys Asp Glu Arg Gln Arg Thr Thr Lys
60 1 5 10 15
61 Pro Met Ala Gln Arg Ser Ala His Cys Ser Arg Pro Ser Gly Ser Ser
62 20 25 30
63 Ser Ser Ser Gly Val Leu Met Val Gly Pro Asn Phe Arg Val Gly Lys
64 35 40 45
65 Lys Ile Gly Cys Gly Asn Phe Gly Glu Leu Arg Leu Gly Lys Asn Leu
66 50 55 60
67 Tyr Thr Asn Glu Tyr Val Ala Ile Lys Leu Glu Pro Ile Lys Ser Arg
68 65 70 75 80
69 Ala Pro Gln Leu His Leu Glu Tyr Arg Phe Tyr Lys Gln Leu Gly Ser
70 85 90 95
71 Ala Gly Glu Gly Leu Pro Gln Val Tyr Tyr Phe Gly Pro Cys Gly Lys
72 100 105 110
73 Tyr Asn Ala Met Val Leu Glu Leu Leu Gly Pro Ser Leu Glu Asp Leu
74 115 120 125
75 Phe Asp Leu Cys Asp Arg Thr Phe Thr Leu Lys Thr Val Leu Met Ile
76 130 135 140
77 Ala Ile Gln Leu Leu Ser Arg Met Glu Tyr Val His Ser Lys Asn Leu
78 145 150 155 160
79 Ile Tyr Arg Asp Val Lys Pro Glu Asn Phe Leu Ile Gly Arg Gln Gly
80 165 170 175
81 Asn Lys Lys Glu His Val Ile His Ile Ile Asp Phe Gly Leu Ala Lys
82 180 185 190
83 Glu Tyr Ile Asp Pro Glu Thr Lys Lys His Ile Pro Tyr Arg Glu His
84 195 200 205
85 Lys Ser Leu Thr Gly Thr Ala Arg Tyr Met Ser Ile Asn Thr His Leu
86 210 215 220
87 Gly Lys Glu Gln Ser Arg Arg Asp Asp Leu Glu Ala Leu Gly His Met
88 225 230 235 240
89 Phe Met Tyr Phe Leu Arg Gly Ser Leu Pro Trp Gln Gly Leu Lys Ala
90 245 250 255
91 Asp Thr Leu Lys Glu Arg Tyr Gln Lys Ile Gly Asp Thr Lys Arg Asn
92 260 265 270
93 Thr Pro Ile Glu Ala Leu Cys Glu Asn Phe Pro Glu Glu Met Ala Thr
94 275 280 285
95 Tyr Leu Arg Tyr Val Arg Arg Leu Asp Phe Phe Glu Lys Pro Asp Tyr
96 290 295 300
97 Glu Tyr Leu Arg Thr Leu Phe Thr Asp Leu Phe Glu Lys Lys Gly Tyr
98 305 310 315 320
99 Thr Phe Asp Tyr Ala Tyr Asp Trp Val Gly Arg Pro Ile Pro Thr Pro
100 325 330 335
101 Val Gly Ser Val His Val Asp Ser Gly Ala Ser Ala Ile Thr Arg Glu
102 340 345 350
103 Ser His Thr His Arg Asp Arg Pro Ser Gln Gln Gln Pro Leu Arg Asn
104 355 360 365
105 Gln Val Val Ser Ser Thr Asn Gly Glu Leu Asn Val Asp Asp Pro Thr
106 370 375 380
107 Gly Ala His Ser Asn Ala Pro Ile Thr Ala His Ala Glu Val Glu Val

```

RAW SEQUENCE LISTING

DATE: 07/20/2001

PATENT APPLICATION: US/09/765,068

TIME: 14:17:31

Input Set : A:\LEX-0119-USA SEQLIST.txt

Output Set: N:\CRF3\07202001\I765068.raw

```

108 385          390          395          400
109 Val Glu Glu Ala Lys Cys Cys Cys Phe Phe Lys Arg Lys Arg Lys Lys
110          405          410          415
111 Thr Ala Gln Arg His Lys
112          420
114 <210> SEQ ID NO: 3
115 <211> LENGTH: 1968
116 <212> TYPE: DNA
117 <213> ORGANISM: Homo sapiens
119 <400> SEQUENCE: 3
120 atactgaagc tacttgcgtgt actataggag agctctgtcc tgtaggatca tggaccatcc      60
121 tagtagggaa aaggatgaaa gacaacggac aactaaaccc atggcacaaa ggagtgcaca      120
122 ctgctctcga ccatctgggt cctcatcgtc ctctgggggt cttatgggtg gacccaactt      180
123 caggggttggc aagaagatag gatgtgggaa cttcggagag ctcagattag gtaaaaatct      240
124 ctacaccaat gaatatgtag caatcaaaact ggaaccaata aaatcacgtg ctccacagct      300
125 tcatttagag tacagatttt ataaacagct tggcagtgca ggtgaaggtc tcccacaggt      360
126 gtattacttt ggaccatgtg ggaaatataa tgccatgggt ctggagctcc ttggccctag      420
127 cttggaggac ttgtttgacc tctgtgaccg aacatttact ttgaagacgg tgttaatgat      480
128 agccatccag ctgctttctc gaatggaata cgtgcactca aagaacctca tttaccgaga      540
129 tgtcaagcca gagaacttcc tgattgggtc acaaggcaat aagaaagagc atgttataca      600
130 cattatagac tttggactgg ccaaggaata cattgacccc gaaacccaaa aacacatacc      660
131 ttatagggaa caaaaagtt taactggaac tgcaagatat atgtctatca acacgcatct      720
132 tggcaaagag caaagccgga gagatgattt ggaagcccta ggccatatgt tcatgtattt      780
133 ccttcgaggc agcctccctt ggcaaggact caaggctgac acattaaaag agagatatca      840
134 aaaaattggt gacacaaaaa ggaatactcc cattgaagct ctctgtgaga actttccaga      900
135 ggagatggca acctaccttc gatatgtcag gcgactggac ttctttgaaa aacctgatta      960
136 tgagtattta cggacctctt tcacagacct ctttgaaaag aaaggctaca cctttgacta      1020
137 tgcctatgat tgggttgga gacctattcc tactccagta gggtcagttc acgtagattc      1080
138 tgggtgcatct gcaataactc gagaaagcca cacacatagg gatcggccat cacaacagca      1140
139 gcctcttcga aatcagggtg ttagctcaac caatggagag ctgaatgttg atgatccac      1200
140 gggagcccac tccaatgcac caatcacagc tcatgccgag gtggaggtag tggaggaagc      1260
141 taagtgcctgc tgtttcttta agaggaaaag gaagaagact gctcagcgcc acaagtgacc      1320
142 agtgcctccc aggagtcctc aggccctggg gactctgact caattgtacc tgcagctcct      1380
143 gccattttctc attggaaggg actcctcttt gggggagggt ggatatccaa accaaaaaga      1440
144 agaaaacaga tgcccccaga aggggccagt gcgggcagcc agggcctagt gggtcattgg      1500
145 ccatctccgc ctgcctaagg ctctgagcag gtcccagagc tgctgttcct ccactgcttg      1560
146 cccatagggc tgccctggtt actctccttc ccattgttta cagtgaagggt gtcattcaca      1620
147 aaaactcaag gactgctatt ctctctcttc cccttagttt actcctggtt tttacccac      1680
148 cctcaaccct ctccagcata aaacctagtg agctaaaggc tttgtctgca gaaggagatc      1740
149 aagaggcttg ggggtaaggc caagaaggta ggaggaaaat ggcagacctg ggctggagaa      1800
150 gaaccttctc cgtatcccag gtgtgcctgg cagtatggtt tcctcttctc ctgtgcctgt      1860
151 gcagcattca tcccagctgg cccttgaggt tcaggttcct tcttccctcc ctctgtgtaa      1920
152 gttacactgt aggacacaag ctgtgagcaa tctgcagtct actggccc      1968

```

VERIFICATION SUMMARY

DATE: 07/20/2001

PATENT APPLICATION: US/09/765,068

TIME: 14:17:32

Input Set : A:\LEX-0119-USA.SEQLIST.txt

Output Set: N:\CRF3\07202001\I765068.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date